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The relationship of national inservice examination scores, emergency medicine faculty evaluations, and level of training of emergency medicine residents (Ryan et al.). 2004;44:S77 (Research Forum abst.)

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Executive summary of the National Institute of Neurological Disorders and Stroke conference on Emergency Neurologic Clinical Trial Network (Barsan et al.). 2004;44:407-12 (Special contribution)

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- Prospective validation of an out-of-hospital decision rule to identify severely injured children involved in motor vehicle crashes (Newgard et al). 2004;44:S64 (Research Forum abst.)

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- Impact of depressive illness on emergency department recidivism: a new approach to the "frequent flyer" (Lora et al). 2004;44:S23 (Research Forum abst.)

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- An analysis of disaster medical assistance team deployments in the United States (Mace and Jones). 2004;44:S35 (Research Forum abst.)

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The inhibition of apoptosis in swine brain by hyperbaric oxygen therapy following cardiopulmonary arrest (Cordes et al). 2004;44:S3 (Research Forum abst.)
Is doing "everything" enough? (Burg). 2004;44:175-6 (Change of shift)

Heart catheterization

Cardiac catheterization laboratory activation by the emergency physician without prior consultation decreases door-to-balloon time (Jacoby et al). 2004;44:S72 (Research Forum abst.)

Is sex a factor in determining whether acute coronary syndrome patients with renal insufficiency undergo diagnostic cardiac catheterization? (Ayan et al). 2004;44:S132 (Research Forum abst.)

Heart diseases

Is the initial diagnostic impression of "noncardiac chest pain" adequate to exclude cardiac disease? (Miller et al). 2004;44:565-74

Knowledge of heart disease among women in an urban emergency setting (Prendergast et al). 2004;44:S105 (Research Forum abst.)

Long-term survival of Japanese patients transported to an emergency department because of syncope (Suzuki et al). 2004;44:215-21

Heart failure, congestive

Cocaine use in a young urban population with new-onset congestive heart failure (Mills et al). 2004;44:S108 (Research Forum abst.)

Disposition of patients with established heart failure: a closer look at telemetry (Prendergast et al). 2004;44:S5-S6 (Research Forum abst.)

Emergency department observation of heart failure is safe and cost-effective (Storrow et al). 2004;44:S6 (Research Forum abst.)

Level of in-hospital care does not predict length of stay for patients admitted with congestive heart failure (Henderson et al). 2004;44:S100 (Research Forum abst.)

Heart failure, congestive, diagnosis

B-type natriuretic peptide trends correlate with clinical events in heart failure patients discharged from an observation unit (Collins et al). 2004;44:S74 (Research Forum abst.)

Clinical risk factors for adverse outcomes in emergency department patients with acute decompensated heart failure: an ADHERE registry analysis (Storrow et al). 2004;44:S72 (Research Forum abst.)

Computerized detection of third heart sounds improves sensitivity for the emergency department diagnosis of heart failure (Storrow et al). 2004;44:S5 (Research Forum abst.)

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Correlation between plasma B-type natriuretic peptide and N-terminal pro-B-type natriuretic peptide in dyspneic emergency and hospitalized patients (Bissell et al). 2004;44:S74-S75 (Research Forum abst.)

Elevation in blood urea nitrogen predicts a lower discharge rate from the observation unit (Burkhardt et al). 2004;44:S99-S100 (Research Forum abst.)

Emergency department prediction of heart failure by bedside physical examination (Collins et al). 2004;44:S47 (Research Forum abst.)

Heart failure with an elevated troponin is associated with increased morbidity and mortality: an ADHERE registry analysis (Peacock et al). 2004;44:S72 (Research Forum abst.)

Physical examination findings in patients who present to the emergency department with congestive heart failure (Diercks et al). 2004;44:S100-S101 (Research Forum abst.)

Prevalence of S3 and S4 in emergency department patients with decompensated heart failure (Collins et al). 2004;44:S98-S99 (Research Forum abst.)

Third and fourth heart sounds detected by correlated audioelectric cardiography are highly specific markers for elevated left ventricular filling pressure and reduced ejection fraction (Jordan et al). 2004;44:S73 (Research Forum abst.)

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Heart failure, congestive, drug therapy

Early use of nesiritide in the emergency department is associated with improved outcome: an ADHERE registry analysis (Peacock et al). 2004;44:S78 (Research Forum abst.)

The feasibility of treating severe acute congestive heart failure with bolus intravenous nitroglycerin (Zalenski et al). 2004;44:S134-S135 (Research Forum abst.)

Impact of nesiritide infusion on acute decompensated heart failure in an urban emergency department (Nazeer et al). 2004;44:S101 (Research Forum abst.)

Patients with congestive heart failure treated by physicians using intravenous nitroglycerin boluses in the emergency department have shorter hospital length of stay (Allegra and Eskin). 2004;44:S99 (Research Forum abst.)

Heart failure, congestive, epidemiology

Epidemiology of heart failure in the emergency department (Coon et al). 2004;44:S5 (Research Forum abst.)

Sex differences in decompensated heart failure (Prendergast et al). 2004;44:S100 (Research Forum abst.)

Heart injuries

Very early risk of a significant cardiac event after a transient ischemic attack or acute ischemic stroke (McGregor et al). 2004;44:S120 (Research Forum abst.)

Heart sounds

Computerized detection of third heart sounds improves sensitivity for the emergency department diagnosis of heart failure (Storow et al). 2004;44:S5 (Research Forum abst.)

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Hematocrit

Operating characteristics of serial hematocrit measurements in detecting major injury after trauma (Goldman et al). 2004;44:S128 (Research Forum abst.)

Hematoma, epidural

Diagnostic pitfall: nontraumatic spinal epidural hematoma mimicking a brainstem stroke (Lin and Chong). 2004;44:183-4 (Correspondence)

Hemodynamic processes

Effect of standard cardiopulmonary resuscitation on cerebral blood flow and coronary perfusion pressure in the canine model of simulated ventricular tachycardia (Hwang et al). 2004;44:S27 (Research Forum abst.)

Effects of compression rate and compression/relaxation ratio on the hemodynamics of simultaneous sternal-thoracic cardiopulmonary resuscitation in the canine model of cardiac arrest (Hwang et al). 2004;44:S27 (Research Forum abst.)

Intracranial pressure and hemodynamic responses to esophageal tracheal Combitube insertion (Kleiner et al). 2004;44:S63-S64 (Research Forum abst.)

Hemoperfusion, methods

Hemoperfusion using a portable dual pulsatile extracorporeal life support on paraquat intoxication (Kim et al). 2004;44:S91-S92 (Research Forum abst.)

Hemorrhage. See also Subarachnoid hemorrhage

The effect of ethanol intoxication on the response to uncontrolled hemorrhage in a rodent model (Sinert et al). 2004;44:S13-S14 (Research Forum abst.)

Emergency department capsule endoscopy for acute gastrointestinal bleeding: a randomized pilot study (Sachdev et al). 2004;44:S80 (Research Forum abst.)

Operating characteristics of serial hematocrit measurements in detecting major injury after trauma (Goldman et al). 2004;44:S128 (Research Forum abst.)

Pelvic ultrasonography in the emergency evaluation of nonpregnant patients with pelvic pain or vaginal bleeding (Stumpf and Tibbles). 2004;44:S113 (Research Forum abst.)

Heparin

Heparin-induced thrombocytopenia in the emergency department (Levine et al). 2004;44:S11-15 (Case report)

Treatment of anaphylaxis with parenteral unfractionated heparin in a porcine model (Hefflin et al). 2004;44:S67 (Research Forum abst.)

Use of aspirin and heparin for treatment of stroke in a community hospital emergency department in the 21st century (Hendrickson et al). 2004;44:S121 (Research Forum abst.)

Use of aspirin and heparin for treatment of stroke in a tertiary hospital emergency department in the 21st century (Hendrickson et al). 2004;44:S44 (Research Forum abst.)

Heparin, low-molecular-weight

The use of low-molecular-weight heparins in acute coronary syndromes (Brown). 2004;44:76-8 (Systematic review abstract)

Hepatitis B

Bloodborne infections in emergency medicine (American College of Emergency Physicians). 2004;44:562-3 (Policy statements)

Hepatitis C

Bloodborne infections in emergency medicine (American College of Emergency Physicians). 2004;44:562-3 (Policy statements)

Heroin, poisoning

Another perspective on "severe hypercapnia caused by acute heroin overdose" (McLaughlin and Richards); Reply (Gupta and Haydock). 2004;44:670-1, 671-2 (Correspondence)

Hip dislocation

An academic emergency department experience with prosthetic hip dislocation: a five-year retrospective study (Germann and Perron). 2004;44:S43 (Research Forum abst.)

Hip fractures

Prevalence of hip fractures in emergency department patients with blunt trauma and negative initial plain-

film radiographs (Dominguez et al). 2004;44:S30 (Research Forum abst.)

Hispanic Americans

English language competency of self-declared English-speaking Hispanic patients (Zun et al). 2004;44:S42-S43 (Research Forum abst.)

Prevalence of hypercholesterolemia in Latino patients admitted to an urban cardiac observation unit (Conforto and Henderson). 2004;44:S47 (Research Forum abst.)

Self-reported hypertension in a large multiethnic cohort (Henderson). 2004;44:S114-S115 (Research Forum abst.)

HIV infections, immunology

Seroprevalence of tetanus antibody titers among HIV-infected patients (Alagappan et al). 2004;44:S125-S126 (Research Forum abst.)

HIV infections, prevention & control

Bloodborne infections in emergency medicine (American College of Emergency Physicians). 2004;44:562-3 (Policy statements)

Characterization of medical errors in initiation of postexposure prophylaxis in sexual assault victims in the emergency department (Corwell et al). 2004;44:S12-S13 (Research Forum abst.)

Current Centers for Disease Control and Prevention guidelines for HIV counseling, testing, and referral: critical role of and a call to action for emergency physicians (Rothman). 2004;44:31-42

Influence of point-of-care rapid HIV tests and additional testing staff on ordering of HIV tests by providers in a large, urban emergency department (Lyss et al). 2004;44:S56 (Research Forum abst.)

Nonoccupational HIV postexposure prophylaxis (NPEP) protocols and barriers to NPEP utilization in Massachusetts emergency departments (Grayson et al). 2004;44:S125 (Research Forum abst.)

Nonoccupational needlestick injuries and postexposure HIV prevention (O'Leary and Green). 2004;44:424 (Correspondence)

HMGB1 protein, blood

Serum levels of the pro-inflammatory cytokine HMGB1 correlate with vagus nerve activity in patients with abdominal aortic aneurysms (Goldstein et al). 2004;44:S51 (Research Forum abst.)

Holidays

Effect of Ramadan on surgical emergencies (Göçmen et al). 2004;44:283-5 (Correspondence)

Homicide

Previous emergency department use among homicide victims and offenders: a case-control study (Crandall et al). 2004;44:646-55

Honduras

Global emergency medicine initiative: advancing emergency medical care in the developing nation of Honduras (Galletta). 2004;44:S50 (Research Forum abst.)

Hospital bed capacity

Decreasing emergency department wait times for available inpatient beds by removing artificial variation (Marsh et al). 2004;44:S28-S29 (Research Forum abst.)

Effect of increased ICU capacity on length of stay in the emergency department (McConnell et al). 2004;44:S8 (Research Forum abst.)

The probability of emergency department diversion status as a function of inpatient occupancy (Rathlev et al). 2004;44:S29 (Research Forum abst.)

Hospital communication systems

Providing mobile phones to emergency medicine residents: perceived effects on physician communication and work (Le et al). 2004;44:S28 (Research Forum abst.)

Hospital information systems

Impact of institution of an electronic hospital information system on nursing quick registration and triage times (Tsai et al). 2004;44:S122 (Research Forum abst.)

Hospitalization. See also Patient admission

Effectiveness and safety of an emergency department short-stay unit as an alternative to standard inpatient hospitalization (Corbella et al). 2004;44:S41 (Research Forum abst.)

Level of in-hospital care does not predict length of stay for patients admitted with congestive heart failure (Henderson et al). 2004;44:S100 (Research Forum abst.)

Syncope in patients older than 65: do they all require admission? (Coon et al). 2004;44:S4-S5 (Research Forum abst.)

Hospitals

Distance from the earthquake epicenter is not predictive of hospital damage, evacuation, or permanent closure in the near-field: implications for patient evacuation (Schultz et al). 2004;44:S93 (Research Forum abst.)

Effect of interhospital transfer patterns on hospitals' quality performance measurement results (Griff et al). 2004;44:S116 (Research Forum abst.)

Hospital disaster preparedness in Los Angeles County, California (Kaji and Lewis). 2004;44:S33 (Research Forum abst.)

Hospital preparedness analysis using the hospital emergency analysis tool (The HEAT) (Oster and Chaffee). 2004;44:S61 (Research Forum abst.)

Hospital units

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Hydromorphone

Metoclopramide versus hydromorphone for the emergency department treatment of migraine headaches (Griffith et al). 2004;44:S60 (Research Forum abst.)

Hydronephrosis

Does kidney stone correlate with degree of hydronephrosis on focused emergency department ultrasonography? (Calabro et al). 2004;44:S114 (Research Forum abst.)

Hydroxybutyrate

γ -Hydroxybutyrate addiction and withdrawal: from the γ -Hydroxybutyrate addiction study (Zvosec and Smith). 2004;44:S91 (Research Forum abst.)

New point-of-care test identifies ketoacidosis in triage (Naunheim et al). 2004;44:S78-S79 (Research Forum abst.)

Hyperbaric oxygenation

Barotrauma during hyperbaric therapy: can we predict patients who are predisposed based on diagnosis?

(Fiessler and Silverman). 2004;44:S15 (Research Forum abst.)

The inhibition of apoptosis in swine brain by hyperbaric oxygen therapy following cardiopulmonary arrest (Cordes et al). 2004;44:S3 (Research Forum abst.)

Hypercapnia

Another perspective on "severe hypercapnia caused by acute heroin overdose" (McLaughlin and Richards); Reply (Gupta and Haydock). 2004;44:670-1, 671-2 (Correspondence)

Hypercholesterolemia

Prevalence of hypercholesterolemia in Latino patients admitted to an urban cardiac observation unit (Conforto and Henderson). 2004;44:S47 (Research Forum abst.)

Hypertension

Recidivism in hypertensive patients in the emergency department (Cienki et al). 2004;44:S6 (Research Forum abst.)

Self-reported hypertension in a large multiethnic cohort (Henderson). 2004;44:S114-S115 (Research Forum abst.)

Taking the hard line approach to hypertension education: do emergency department patients prefer it? (Schabowski et al). 2004;44:S9-S10 (Research Forum abst.)

Hypoglycemia

An unusual case of hypoglycemia in a diabetic patient (Leiba et al). 2004;44:427-8 (Correspondence)

Hypoglycemic agents

Oral hypoglycemics sold as valium on the streets: a case report (Chin). 2004;44:552 (Correspondence)

Hypotension

Survival in posttraumatic hypotension (Sikorski et al). 2004;44:S128-S129 (Research Forum abst.)

Hypoventilation

Another perspective on "severe hypercapnia caused by acute heroin overdose" (McLaughlin and Richards); Reply (Gupta and Haydock). 2004;44:670-1, 671-2 (Correspondence)

Hypovolemia

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Ibuprofen

Comparison of cyclobenzaprine alone versus cyclobenzaprine plus ibuprofen in patients with acute musculoskeletal spasm and pain (Childers et al). 2004;44:S87-S88 (Research Forum abst.)

Iliac vein

Deep venous thrombosis caused by iliac vein compression syndrome (Kim et al). 2004;44:S16 (Research Forum abst.)

Illinois

Emergency medical services for children: assessment of all-terrain vehicle-related injuries in Illinois (Weinstein et al). 2004;44:S41 (Research Forum abst.)

Immigrants. See Emigration and immigration

Immobilization

Efficacy of an inflatable spine-board padding device in relieving pain during simulated spinal immobilization (Joyce and Treseder). 2004;44:S62-S63 (Research Forum abst.)

Efficacy of a pressure-immobilization bandage in delaying the onset of systemic toxicity in a porcine model of Eastern coral snake (*Micrurus fulvius*) envenomation (German et al). 2004;44:S90 (Research Forum abst.)

Pressure immobilization delays mortality and increases intracompartmental pressure after artificial intramuscular rattlesnake envenomation in a porcine model (Bush et al). 2004;44:599-604

Immunization programs

Intussusception incidence relative to Rotavirus vaccine use in Honolulu (Lee et al). 2004;44:S40 (Research Forum abst.)

Pneumococcal vaccination in the emergency department: an assessment of need (Rudis et al). 2004;44:386-92

Validation of a regional immunization registry utilized in a pediatric emergency department (Reed et al). 2004;44:S25 (Research Forum abst.)

Income

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Identifying the need for better emergency and out-of-hospital care in the developing world: a case study in Chennai, India (Ramanujam et al). 2004;44:S107 (Research Forum abst.)

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Infant

Does the WBC count, age, or sex predict which febrile children from 90 days to 36 months of age will have a positive urine culture? (Ryan et al). 2004;44:S39 (Research Forum abst.)

Prevalence of bacterial infection in febrile children less than 2 years of age with a positive influenza A antigen test (Muniz et al). 2004;44:S126 (Research Forum abst.)

Ultrasonographic assessment of bladder volume prior to urinary catheterization in infants: training operators and avoiding unsuccessful catheterizations (Milling et al). 2004;44:S83 (Research Forum abst.)

Urinary tract infection must be excluded in febrile infants less than 3 months of age with positive respiratory syncytial virus antigen test (Muniz et al). 2004;44:S126 (Research Forum abst.)

The utility of the WBC count to predict abnormal chest radiographs in febrile children from 90 days to 36 months of age (Ryan et al). 2004;44:S110 (Research Forum abst.)

Infant equipment

Impact of a new booster seat law (Vilke et al). 2004;44:S39-S40 (Research Forum abst.)

Infection control

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The effect of severe acute respiratory syndrome on emergency airway management (Wong and Ho). 2004;44:S118 (Research Forum abst.)

An evaluation of portable high-efficiency particulate air filtration for expedient patient isolation in epidemic and emergency response (Mead and Johnson). 2004;44:635-45 (Concepts)

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Use of a portable forced air system to convert existing hospital space into a mass casualty isolation area (Rosenbaum et al). 2004;44:628-34 (Concepts)

Influenza

Community influenza outbreaks and emergency department ambulance diversion (Schull et al). 2004;44:61-7

Syndromic surveillance for infectious disease outbreaks using chief complaint data (Thomas et al). 2004;44:S124 (Research Forum abst.)

Influenza A virus

Prevalence of bacterial infection in febrile children less than 2 years of age with a positive influenza A antigen test (Muniz et al). 2004;44:S126 (Research Forum abst.)

Information dissemination

Emergency medical services transfer of patient information to emergency department personnel (Brady et al). 2004;44:S64 (Research Forum abst.)

The Frontlines of Medicine Project progress report: standardized communication of emergency department triage data for syndromic surveillance (Barthell et al). 2004;44:247-52 (Concepts)

A standardized transfer form improves communication between extended care facilities and the emergency department (Bean et al). 2004;44:S71 (Research Forum abst.)

Information systems

Automating revenue reconciliation through development of an open-source tool (Nielson et al). 2004;44:S44 (Research Forum abst.)

The effect of physician order entry and computerized nursing documentation on how emergency department providers spend their time (Asaro and Banet). 2004;44:S30 (Research Forum abst.)

Effects of implementing a modified electronic medical record and comprehensive patient tracking system on the patient care activities of emergency department staff (Limkang et al). 2004;44:S129-S130 (Research Forum abst.)

Impact of institution of an electronic hospital information system on nursing quick registration and triage times (Tsai et al). 2004;44:S122 (Research Forum abst.)

Measuring the effect of a computerized nursing documentation system with objective measures and reported perceptions (Asaro et al). 2004;44:S131-S132 (Research Forum abst.)

Syndromic surveillance for infectious disease outbreaks using chief complaint data (Thomas et al). 2004;44:S124 (Research Forum abst.)

Informed consent

Waiver of consent for emergency research (McRae and Weijer). Reply (Biros). 2004;44:278-80 (Correspondence)

Infusions, intraosseous

Can emergency physicians utilize ultrasonography to accurately confirm intraosseous needle placement? (Korszun et al). 2004;44:S84 (Research Forum abst.)

Intraosseous needle preference among emergency physicians (Lera et al). 2004;44:S67-S68 (Research Forum abst.)

Injury Severity Score

Predictive effect of the Injury Severity Score on the development of multiple organ failure among young

adults and elderly patients (Baez et al). 2004;44:S127 (Research Forum abst.)

Insecticides, organophosphate, poisoning

γ -Aminobutyric acid, but not opiate receptor agonists attenuate organophosphate-induced central respiratory depression (Lo et al). 2004;44:S3 (Research Forum abst.)

Insurance coverage

Coverage disputes and the prudent layperson standard (Johnson). Reply (Gresenz and Studdert). Reply (Stapczynski). 2004;44:426-7 (Correspondence)

The effect of transitions in insurance on emergency department utilization: a national perspective for the years 1996-2001 (Tamayo-Sarver and Cydulka). 2004;44:S8 (Research Forum abst.)

Oregon Health Plan cutbacks and access to care: a survey of emergency department patients (Ertz-Gerger et al). 2004;44:S7 (Research Forum abst.)

Intensive care

Effect of increased ICU capacity on length of stay in the emergency department (McConnell et al). 2004;44:S8 (Research Forum abst.)

Internet

Comparison of seven popular patient-oriented medical Web sites for three common emergency department complaints (Salo et al). 2004;44:S123 (Research Forum abst.)

Syndromic surveillance using regional emergency medicine Internet (Foldy et al). 2004;44:242-6 (Brief research report)

Internship and residency

Accuracy of sonography performed by emergency medicine residents for the diagnosis of acute appendicitis (Min et al). 2004;44:S60 (Research Forum abst.)

Analysis of emergency medicine resident productivity by patient load, relative value units, and level of training (Jasani et al). 2004;44:S49 (Research Forum abst.)

Assessing resident skills in the use of rescue airway devices (Ander et al). 2004;44:314-19 (Brief research report)

Body composition change during the intern year of emergency medicine residency (Battles et al). 2004;44:S76-S77 (Research Forum abst.)

Comparison of the quality of emergency care delivered by resident and attending emergency physicians for patients with acute myocardial infarction (Van Der Vlugt et al). 2004;44:S8-S9 (Research Forum abst.)

Do learning styles of emergency medicine residents reflect their preference for typical teaching modalities offered in residency programs? (Barlas et al). 2004;44:S77 (Research Forum abst.)

The effect of performance incentives on resident documentation in an emergency medicine residency program (Pines et al). 2004;44:S19-S20 (Research Forum abst.)

The influence of an emergency medicine ultrasonography program on the ranking of senior medical students who choose emergency medicine residencies: a prospective study (Miller et al). 2004;44:S111-S112 (Research Forum abst.)

An innovative introduction to postresidency training in emergency medicine (Hahn et al). 2004;44:S49 (Research Forum abst.)

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residents, and staff (Delatore and Vukov). 2004;44:S80 (Research Forum abst.)

Is there a doctor in the house? Comparing attendings, residents, and midlevel providers to increase clinician staffing in an academic emergency department: a cost-efficiency analysis (Harris et al). 2004;44:S18-S19 (Research Forum abst.)

Permission for resident moonlighting among emergency medicine programs (Evans and Cheng). 2004;44:S51 (Research Forum abst.)

Piloting a certification process for emergency medicine residency graduates in Kosovo (Maddow et al). 2004;44:S49-S50 (Research Forum abst.)

Presenting at journal club: a guide (Atzema). 2004;44:169-74 (Residents' perspective)

Procedural proficiency in the placement of a Word catheter: a resident training model (Koza et al). 2004;44:S17 (Research Forum abst.)

A prospective study comparing standard laryngoscopy to the TrachView Videoscope system for orotracheal intubation by emergency medicine residents and medical students (Roppolo et al). 2004;44:S117-S118 (Research Forum abst.)

Providing mobile phones to emergency medicine residents: perceived effects on physician communication and work (Le et al). 2004;44:S28 (Research Forum abst.)

The relationship of national inservice examination scores, emergency medicine faculty evaluations, and level of training of emergency medicine residents (Ryan et al). 2004;44:S77 (Research Forum abst.)

Resident education does not correlate with the degree of emergency department crowding (Hoxhaj et al). 2004;44:S77 (Research Forum abst.)

Resident-performed evaluation for deep venous thrombosis reduces time to diagnoses "after-hours" (Jang et al). 2004;44:S81-S82 (Research Forum abst.)

"SARS-Ed": severe acute respiratory syndrome and the impact on medical education (Sherbino and Atzema). 2004;44:229-31 (Residents' perspective)

Shift overtime among emergency medicine residents: results of a national survey (Hafner et al). 2004;44:S48 (Research Forum abst.)

Survey of emergency medicine residents who completed a separate internship (Ray and Dula). 2004;44:S50 (Research Forum abst.)

T-System versus traditional documentation: do residents document a reexamination better with the T-System? (Druzgal et al). 2004;44:S123-S124 (Research Forum abst.)

Using a multidisciplinary acute sepsis initiative to teach early goal-directed therapy for sepsis-induced hypoperfusion states (Abate et al). 2004;44:S76 (Research Forum abst.)

Work force motivation, a novel application of expectancy theory in emergency medicine (Bilkovski and Delis). 2004;44:S130 (Research Forum abst.)

Intracranial pressure

Intracranial pressure and hemodynamic responses to esophageal tracheal Combitube insertion (Kleiner et al). 2004;44:S63-S64 (Research Forum abst.)

Intraocular pressure

Applanation tonometry: accuracy of determinations through soft contact lenses (Williams and Hsu). 2004;44:S79 (Research Forum abst.)

Intubation, gastrointestinal

Nasogastric tubes: hard to swallow (Gallagher). 2004;44:138-41 (Editorial)

Nebulized lidocaine decreases the discomfort of nasogastric tube insertion: a randomized, double-blind trial (Cullen et al). 2004;44:131-7

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Assessing resident skills in the use of rescue airway devices (Ander et al). 2004;44:314-19 (Brief research report)

Assessment of a new method to distinguish esophageal from tracheal intubation by measuring endotracheal cuff pressure in a porcine model (Hsu et al). 2004;44:S119 (Research Forum abst.)

Bispectral analysis in trauma patients: an observational study (Holger et al). 2004;44:S14 (Research Forum abst.)

The Combitube as rescue device: recommended use of the small adult size for all patients six feet tall or shorter (Leviton and Frass); Reply (Davis). 2004;44:92-3 (Correspondence)

The effect of paramedic rapid sequence intubation on outcome in trauma patients (Domeier et al). 2004;44:S118 (Research Forum abst.)

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Emergency physicians cannot inflate or estimate endotracheal tube cuff pressure using standard techniques (Hoffman et al). 2004;44:S118-S119 (Research Forum abst.)

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The Glidescope Video Laryngoscope in the hands of novice users: seeing the larynx does not correlate with intubation success (Kinkle et al). 2004;44:S119 (Research Forum abst.)

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Key factors in out-of-hospital intubation suggested for further training (Kryder et al). 2004;44:S102 (Research Forum abst.)

Laryngoscopic visualization grade predicts difficult intubations by air medical crews in the out-of-hospital setting (Barton et al). 2004;44:S65 (Research Forum abst.)

Limitations of difficult airway prediction in patients intubated in the emergency department (Leviton et al). 2004;44:307-13

Location of the endotracheal tube by pilot balloon-cuff counter-ballotment (Fieg et al). 2004;44:S119-S120 (Research Forum abst.)

Out-of-hospital endotracheal intubation and outcome after traumatic brain injury (Wang et al). 2004;44:439-50

Out-of-hospital endotracheal intubation in traumatic brain injury: outcomes research provides us with an unexpected outcome (Zink and Maio). 2004;44:451-3 (Editorial)

Out-of-hospital pediatric airway management (Eckstein). 2004;44:181-3 (Correspondence)

A prospective study comparing standard laryngoscopy to the TrachView Videoscope system for orotracheal intubation by emergency medicine residents and medical students (Roppolo et al). 2004;44:S117-S118 (Research Forum abst.)

Success and failure rates of rapid sequence intubation versus non-rapid sequence intubation by air medical providers in 2,853 patients (Barton et al). 2004;44:S65 (Research Forum abst.)

Utility of difficult laryngoscopy screening methods for out-of-hospital intubation (Swanson et al). 2004;44:S66 (Research Forum abst.)

Intubation, intratracheal, adverse effects

Tongue engorgement with prolonged use of the esophageal-tracheal Combitube (McGlinch et al). 2004;44:320-2 (Case report)

Intussusception

Intussusception incidence relative to Rotavirus vaccine use in Honolulu (Lee et al). 2004;44:S40 (Research Forum abst.)

Iodine, adverse effects

Contrast-induced thyrotoxicosis (Kulstad and Carlson). 2004;44:281-2 (Correspondence)

Irrigation

Completion of whole bowel irrigation in emergency department overdose patients (Shih et al). 2004;44:S91 (Research Forum abst.)

Effect of whole bowel irrigation on delayed-release acetaminophen and gut transit time (Tenenbein). 2004;44:668 (Correspondence)

Gastric decontamination in the emergency department: what is the consensus? (Rocco et al). 2004;44:S92 (Research Forum abst.)

Holes in the article on whole bowel irrigation (Chan et al); Reply (Ly et al). 2004;44:669, 669-70 (Correspondence)

Whole bowel irrigation and the capsule summary (Tenenbein); Reply (Callahan); Reply (Dart). 2004;44:666-7, 667, 667-8 (Correspondence)

Ischemic attack, transient

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Older patients with acute myocardial infarction receive lower quality emergency department care (Magid et al). 2004;44:S45 (Research Forum abst.)

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Myoglobin, diagnostic use

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γ -Aminobutyric acid, but not opiate receptor agonists attenuate organophosphate-induced central respiratory depression (Lo et al). 2004;44:S3 (Research Forum abst.)

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Distance from the earthquake epicenter is not predictive of hospital damage, evacuation, or permanent closure in the near-field: implications for patient evacuation (Schultz et al). 2004;44:S93 (Research Forum abst.)

Is your household prepared for a disaster such as fire, flood, earthquake, blackout, or a terrorist attack in your community? (Barata et al). 2004;44:S107 (Research Forum abst.)

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A strange bullet (Prattico and Perfetti). 2004;44:186-7 (Correspondence)

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Nonoccupational needlestick injuries and postexposure HIV prevention (O'Leary and Green). 2004;44:424 (Correspondence)

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Acute multiple thrombosis as early presentation of lung cancer (Manfredini et al). 2004;44:89-90 (Correspondence)

Compliance with recommended cancer screenings among emergency department patients assessed by college research associates (Rush et al). 2004;44:S26 (Research Forum abst.)

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Executive summary of the National Institute of Neurological Disorders and Stroke conference on Emergency Neurologic Clinical Trial Network (Barsan et al). 2004;44:407-12 (Special contribution)

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Nicotinamide adenine dinucleotide. See NAD

Nitroglycerin

The feasibility of treating severe acute congestive heart failure with bolus intravenous nitroglycerin (Zalenski et al). 2004;44:S134-S135 (Research Forum abst.)

Patients with congestive heart failure treated by physicians using intravenous nitroglycerin boluses in the emergency department have shorter hospital length of stay (Allegra and Eskin). 2004;44:S99 (Research Forum abst.)

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Can midlevel providers perform ultrasonography on superficial abscesses? (Roppolo et al). 2004;44:S83-S84 (Research Forum abst.)

Model for inclusion of nurse practitioners in an academic department of emergency medicine (Rondeau et al). 2004;44:S131 (Research Forum abst.)

TelEmergency: distance emergency care using nurse practitioners (Galli et al). 2004;44:S107-S108 (Research Forum abst.)

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The effect of physician order entry and computerized nursing documentation on how emergency department providers spend their time (Asaro and Banet). 2004;44:S30 (Research Forum abst.)

Measuring the effect of a computerized nursing documentation system with objective measures and reported perceptions (Asaro et al). 2004;44:S131-S132 (Research Forum abst.)

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Emergency department observation of heart failure is safe and cost-effective (Storrow et al). 2004;44:S6 (Research Forum abst.)

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Off-road motor vehicles

All-terrain vehicle injuries: bad but not worse (Axelband et al). 2004;44:S10 (Research Forum abst.)

Emergency medical services for children: assessment of all-terrain vehicle-related injuries in Illinois (Weinstein et al). 2004;44:S41 (Research Forum abst.)

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Oregon Health Plan cutbacks and access to care: a survey of emergency department patients (Ertz-Gerger et al). 2004;44:S7 (Research Forum abst.)

A survey of Oregon emergency physicians' reporting patterns of intoxicated drivers in the state of Oregon (McManus et al). 2004;44:S26 (Research Forum abst.)

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Should children with otitis media be treated with antibiotics? (Eskin). 2004;44:S37-9 (Systematic review abstract)

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Reliability of adnexal mass mobility in distinguishing possible ectopic pregnancy from corpus luteum cysts (Blaivas and Lyon). 2004;44:S82 (Research Forum abst.)

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Substance-related disorders

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Another perspective on "severe hypercapnia caused by acute heroin overdose" (McLaughlin and Richards); Reply (Gupta and Haydock). 2004;44:670-1, 671-2 (Correspondence)

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Gastric decontamination in the emergency department: what is the consensus? (Rocco et al). 2004;44:S92 (Research Forum abst.)

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Whole bowel irrigation and the capsule summary (Tenenbein); Reply (Callahan); Reply (Dart). 2004;44:666-7, 667, 667-8 (Correspondence)

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Update of cerebral oximetry in critically ill patients (Khan et al). 2004;44:S27-S28 (Research Forum abst.)

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Myocardial contractile function during post-ischemic low flow reperfusion: critical thresholds of nicotin-

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Oxygen delivery modulates intracellular hydrogen peroxide generation during initial reperfusion of the isolated ischemic rat heart (Stoner et al). 2004;44:S53 (Research Forum abst.)

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- Characteristics of sexual assault victims presenting to the emergency department: analysis by race, age, timing of event, and relationship to perpetrator (Avegno et al). 2004;44:S97 (Research Forum abst.)
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- Sports injuries, a common pediatric problem (Llovera et al). 2004;44:S39 (Research Forum abst.)

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- EMTALA: two decades later (Ballard et al). 2004;44:S117 (Research Forum abst.)

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- Utility of perfusion-weighted computed tomography in acute ischemic stroke treated with thrombolytic therapy (Kim et al). 2004;44:S120 (Research Forum abst.)

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- Emergency department triage: why we need a research agenda (Cooper). 2004;44:S24-6 (Editorial)
- Emergency medicine research on the front lines (De Lorenzo). 2004;44:128-30 (Editorial)
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- Presenting at journal club: a guide (Atzema). 2004;44:169-74 (Residents' perspective)

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- Standardized reporting guidelines for studies evaluating risk stratification of emergency department patients with potential acute coronary syndromes (Hollander et al). 2004;44:589-98
- Variability in institutional review for an observational multicenter health services study with waiver of consent (Newgard et al). 2004;44:S114 (Research Forum abst.)

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- γ -Aminobutyric acid, but not opiate receptor agonists attenuate organophosphate-induced central respiratory depression (Lo et al). 2004;44:S3 (Research Forum abst.)

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- An evaluation of portable high-efficiency particulate air filtration for expedient patient isolation in epidemic and emergency response (Mead and Johnson). 2004;44:635-45 (Concepts)

- Oral arsenic trioxide poisoning and secondary hazard from gastric content (Kinoshita et al). 2004;44:625-7 (Case report)

- Use of a portable forced air system to convert existing hospital space into a mass casualty isolation area (Rosenbaum et al). 2004;44:628-34 (Concepts)

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- Urinary tract infection must be excluded in febrile infants less than 3 months of age with positive respiratory syncytial virus antigen test (Muniz et al). 2004;44:S126 (Research Forum abst.)

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- Practice parameters between emergency physicians and pediatricians: the case of upper respiratory infections (Colucci et al). 2004;44:S42 (Research Forum abst.)
- Relationship of incidence of otitis media to weather, air pollutants, airborne allergens, and upper respiratory tract infection incidence (Shahidi et al). 2004;44:S40-S41 (Research Forum abst.)

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- Should families be present during resuscitations? (Gulla et al). 2004;44:S67 (Research Forum abst.)

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- Emergency department management and resource utilization in patients with do-not-resuscitate orders (Gee et al). 2004;44:S70 (Research Forum abst.)

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- Risk factors for stroke and thromboprophylaxis in atrial fibrillation: what happens in daily clinical practice? The GEFAR-1 study (Laguna et al). 2004;44:3-11
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Sex differences in decompensated heart failure (Prendergast et al). 2004;44:S100 (Research Forum abst.)

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Using a multidisciplinary acute sepsis initiative to teach early goal-directed therapy for sepsis-induced hypoperfusion states (Abate et al). 2004;44:S76 (Research Forum abst.)

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Efficacy of a pressure-immobilization bandage in delaying the onset of systemic toxicity in a porcine model of Eastern coral snake (*Micrurus fulvius*) envenomation (German et al). 2004;44:S90 (Research Forum abst.)

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Xanthochromia: by which method? A comparison of the visual and spectrophotometric determination of xanthochromia (Durfey et al). 2004;44:S55 (Research Forum abst.)

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